Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62,23 1922,
LIBRARY
RECEIVED
U. S. Department of Agriculture.

Berry Seed Co.

GOLF SUPPLIES FOR THE COURSE

SEED, HUMUS AND MOWING MACHINES
of all kinds in stock at Chicago

EVERYTHING FOR THE LINKS

20 West Jackson Boulevard
Phone Wabash 5837-5838
CHICAGO

Berry Seed Company

GRASS SEEDS

for

Golf Courses, Lawns and Private Estates

The three grass seeds which have given the best results during the past year for golf courses have been our

New Zealand

CHEWING'S RED FESCUE

Showing Government Test of

Purity .....89% Germination of 92%

Our Fancy Recleaned

RED TOP

Purity of .....96% Germination of 95.40%

Our Special Grown

KENTUCKY BLUE

Purity of .....90.54% Germination 89.55%

Our New Zealand Red Fescue and Red Top are mixed, 60% Fescue and 40% Red Top, for the greens and a mixture of Red Fescue, Red Top and Kentucky Blue for the fairways.

These three seeds produce the finest and thickest turf, are hardy, vigorous growers, do not flower at the same time (so that the turf is kept green) and are adapted to all weather conditions.

We also carry a full line of other Grass Seed, including our Special Recleaned Kentucky Blue, English and Italian Rye Grass, White and Red Clover, and prepare Special Mixtures adapted to different locations and conditions.

Our Fescue is purchased direct from the growers in New Zealand and shipped to us via San Francisco. And we have just received a shipment of 1921 seed in Chicago and can deliver at once.

Creeping Bent and Rhode Island Bent

We have not been able to secure any of these two seeds that will show germination that will warrant use on Golf Courses except at very high prices and very limited supply.

PRICES: CHICAGO

	Per pound
New Zealand Red Fescue	
Fancy Recleaned Redtop	
Special Kentucky Blue	
Crested Dog's Tail	
White Clover	
Sheep's Fescue	
Italian Rye Grass	
Canadian Rye Grass	
Putting Green Finest Mixture	
Fairway Special Mixture	

Our present prices subject to change without notice.

FERTILIZER and HUMUS

COMPLETE GRASS FERTILIZER

This material contains all of the essential properties necessary for the growth of a thick, fine turf; not merely an active stimulant, but a grass food that returns to the soil those essential properties which frequent cutting of the grass exhausts, and should be thoroughly incorporated with three to four parts of sand, sifted soil, or compost, as the conditions may require.

To apply this material properly it should be put through our soil mixer, which mixes the material with the sand or soil much more evenly and thoroughly than hand mixing, and also prepares the material so that there are no lumps or hard material put on the greens.

Prices for our Complete Grass Fertilizer:

Per ton	$120.00
Per one-half ton	62.50
Per bag (100 lbs.)	6.50

At Chicago

A FINISHED TOP DRESSING AND FERTILIZER FOR BARE SPOTS

This product is prepared and mixed with Humus for top dressing and does not require mixing with soil or sand. The material has passed through a special composting process. The organic properties are thoroughly decomposed, then thoroughly mixed by machinery with the inorganic material, finely sifted, giving a well balanced dressing which contains all the plant food essentials and will not injure the grass and will produce a strong, durable turf. Use from 200 to 400 pounds to the green and work in and lightly roll.

Prices:

Per ton	$40.00
Per one-half ton	21.00
Per bag	2.50

FERTILIZING MATERIAL

We handle both organic and inorganic material.

Sheep manure, pulverized

Cotton seed meal — Dried blood — Bone meal — Tankage

Inorganic

Nitrate of soda	Charcoal pulverized	Muriate of potash
Acid phosphate	Sulphate of ammonia	Sulphate of potash

Prices on application.

HUMUS

FOR THE ESTABLISHMENT OF GOOD GREENS

There is nothing so essential on a golf course and nothing that a player appreciates as much as smooth, well kept greens; greens which are firm and still have enough give and elasticity so that they are not rigid and stiff. When an experienced golfer walks over a green of this kind he readily ascertains the condition of the soil by the firmness and elasticity, and it is a joy to find greens of this character, especially when covered by a good thick, dark green turf. We make shipments of our Humus in car-loads, in bulk and less than car-loads in sacks. Delivered prices quoted.

Fertilized Humus

is a nitrogenous food consisting of decomposed organic matter, which increases the capillary condition of the soil so as to give air to the roots of the grass, and largely increasing the capacity of the soil for holding moisture.

The extent of any soil for developing root growth is determined by the physical elements contained in the soil. The constant cutting of the grass on Golf Courses takes from the soil a certain amount of the essential properties which must be replaced to maintain a good bed of turf.

Our HUMUS contains the necessary elements, and the right amount of each, for producing a permanent bed of thick turf and no other fertilizer is required. The material is thoroughly decomposed and is soft and mellow, contains no branches, twigs or hard lumps, is without odor and not sticky.

When water is applied to the surface, it soaks down into the soil, taking much of your commercial fertilizer with it, and leaving your plant without any food and unprepared for the hot weather. This is the reason for your grass dying out early in the fall.

When Humus is applied to the surface of the greens instead of commercial fertilizer, it will act as a mulch, drawing the moisture from below, which brings up with it plant food, also keeping the soil soft and pliable, so that the plant can push its roots downward and prepare itself for the hot weather, furnishing an ideal home for the bacteria and keeping the grass from burning out in the fall.

The three essential elements necessary to plant lift are Nitrogen, Prosphoric Acid and Potash. Most of our soils contain an abundance of Potash, and Phosphoric Acid, but they require Humus to release them. Grass also requires about ten times the amount of Nitrogen that it does of the other two elements. Humus adds largely more Nitrogen than the other properties, and builds up the soil. Commercial fertilizer has the tendency to over-stimulate the soil and retard the bacteria action, also root growth.

The Agricultural Extension Department says that Humus is essential to good soil. Decaying organic and vegetable matter form mold, or Humus. The mineral elements may be said to give "body" to the soil, but Humus gives it "LIFE." Humus makes soil dark colored and mellow. It not only adds nitrogen and other plant foods, but improves the physical condition of the soil and makes it congenial for plants. Humus retains moisture, evens up the soil temperature, makes soil loose and warm, lets in the air, provides a home for bacteria, prevents washing, baking and packing; hastens the germination of seed. Soil that is without Humus is without life. A fertile soil is inhabited by countless organisms or bacteria.

Our Top Dressing for the Greens and Bare Spots

This dress has for a basis our Fertilized Humus, in which we have thoroughly incorporated a balanced Fertilizer of bone meal, phosphoric acid and ammonia. There is no potash in the material. Use from three to 500 pounds to the green, work in and sprinkle.

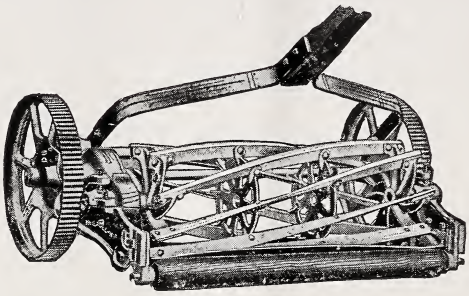
Single Bag, $2.50; 6 Bags, $12.00; 10 Bags, $22.00

20 Bags, or 1 Ton, $40.00; 5 Tons, $180.00

Bags weigh about 100 pounds. Special prices on carloads.

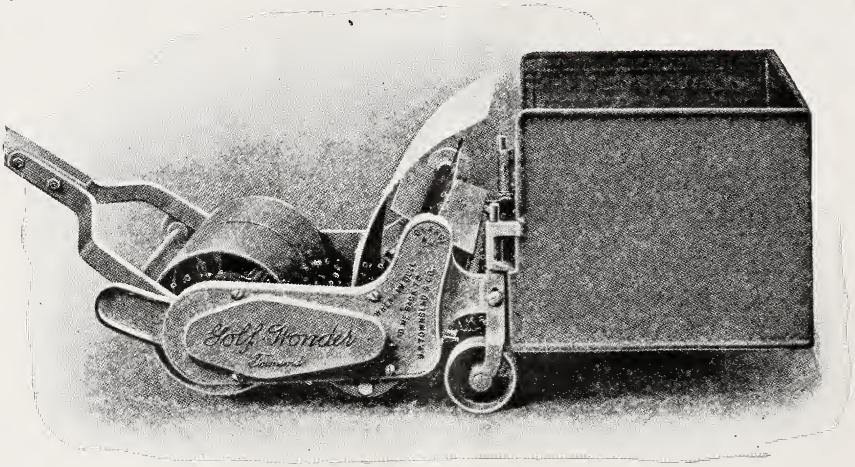
THE PHILADELPHIA LAWN MOWER

The oldest and considered by many the best machine made for Golf Courses and Lawns. Made in four sizes. Prices and sizes same as the Pennsylvania. Has 8 blades and the highest quality of material.



TOWNSEND'S "GOLF WONDER" WITH ELEVATOR AND CATCHER

This mower is preferred by professional green keepers because of its superior and reliable cutting and operative features and its lasting qualities.



It cuts exceedingly smooth and fine, due to high speed and large number of knives (6). It is light but very strong.

Specifications: Roller, 6½ inches. Reel, 4½ inches. Six knives, crucible steel, oil tempered. Lower knife, laid steel, glass hard.

Made in four sizes:

14 inch	16 inch	18 inch	20 inch
$29.50	$34.50	$38.50	$42.00

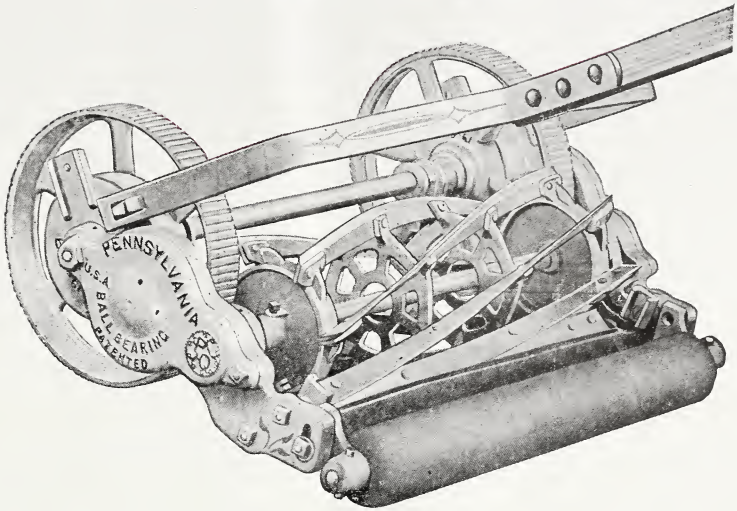
Grass Catcher $7.00 without fan; with fan $8.00.

All prices at Chicago.

PENNSYLVANIA GOLF

High Wheel Ball Bearing

The aristocrat of the greens.



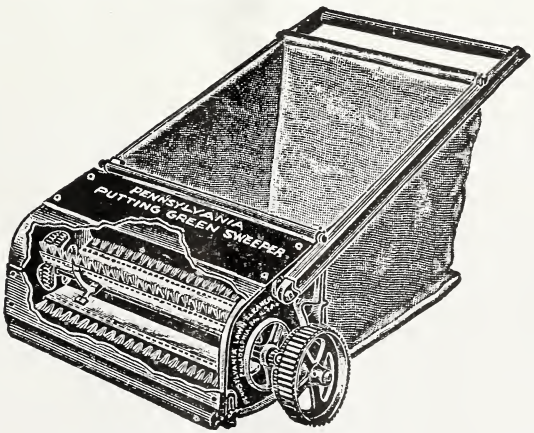
The "PENNSYLVANIA GOLF" is especially adapted for golf links, tennis courts, bowling greens and cricket creases. Can be adjusted to cut $\frac{3}{16}$ of an inch, practically shaving the lawn. The iron roller shown in illustration is regularly supplied with the ball bearing high wheel pattern only.

17 inch	19 inch	21 inch
$37.50	$42.00	$46.50

Delivered at Chicago, or at clubs in and around Chicago. Prices include delivery on grounds.

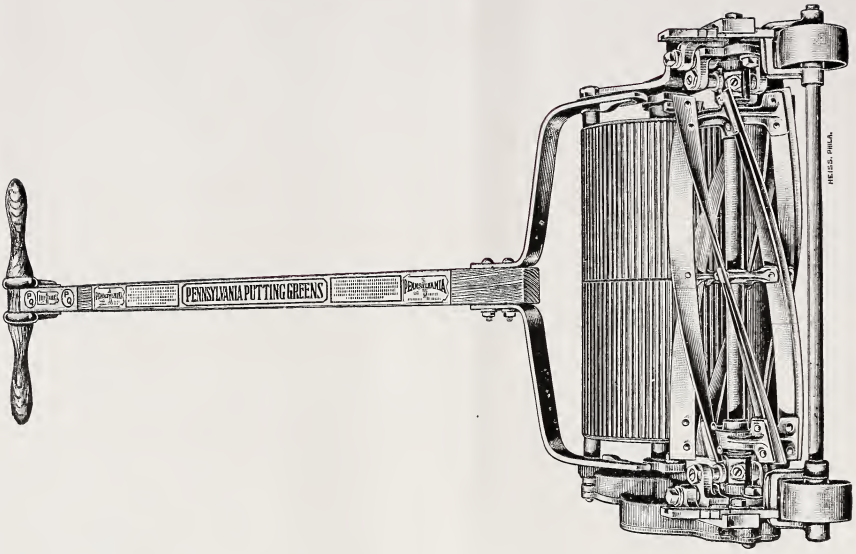
The Pennsylvania Golf Mower is a special grass box which is carried in front of the cutting blades for catching the fine grass from the greens. Sent only on orders. Price.....$8.00 Extra

The "PENNSYLVANIA" Lawn Cleaner and Rake will do the work of four men with hand rakes and do it more cleanly and more efficiently.

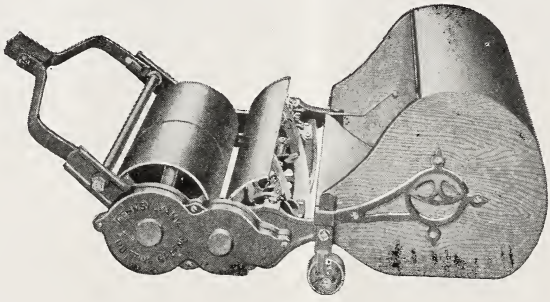


PENNSYLVANIA

Putting Green Roller Mower



Cut below shows the above machine with grass box. Grass box must be ordered, otherwise mower only is sent.



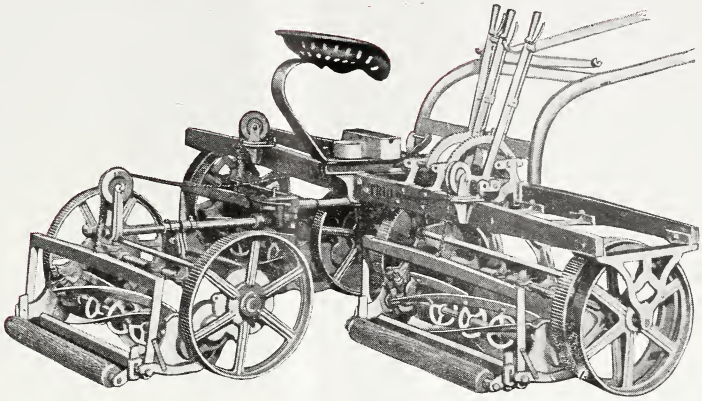
HAND MOWERS

We carry all sizes and kinds of Lawn Mowers for putting greens, fairways and lawns, and furnish repairs, sharpen and repair all kinds of machines. Orders should be placed early in the season to insure shipment and repairs.

TRACTOR, HORSE & HAND LAWN MOWERS

PENSYLVANIA TRIO

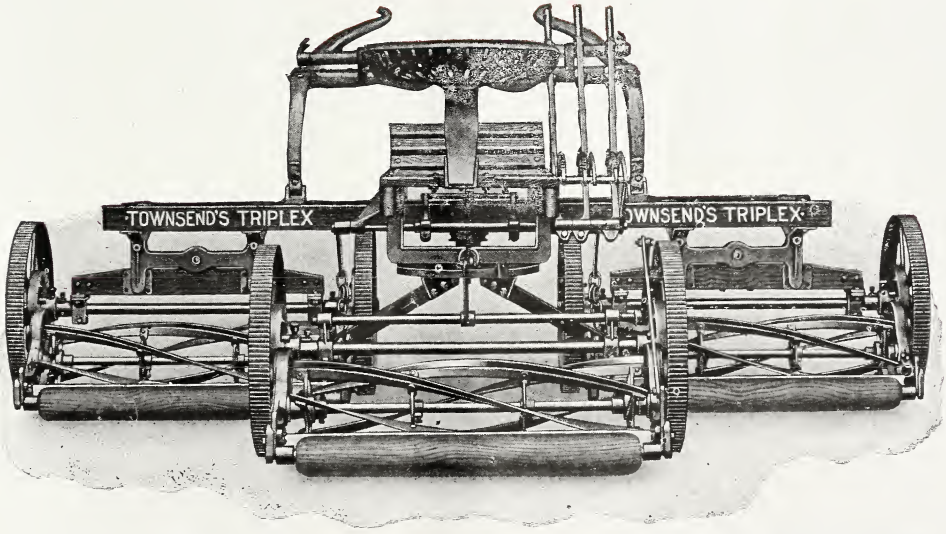
For Horse or Tractor



A three-unit type mower; made especially for golf courses, private estates, public parks, cemeteries and all grounds where large areas of undulating surface present difficult problems of lawn mowing. Cuts 86 inches wide. Price at Chicago, or points taking equal freight rate:

Net weight, complete machine, 860 lbs. . . . $525.00
Net Weight, individual mower 195 lbs. . . . 125.00

TOWNSEND'S TRIPLEX



Price $425.00
Chicago or points taking equal freight rate

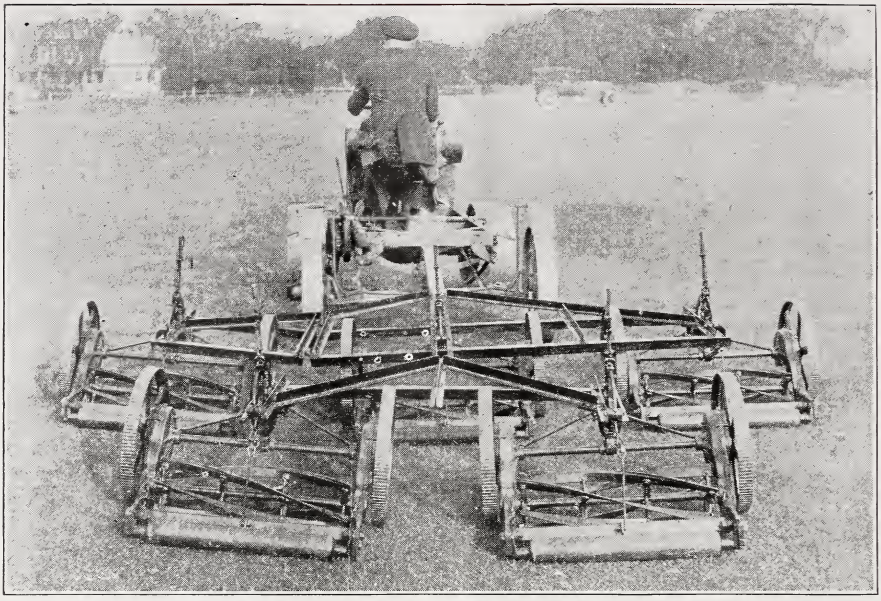
The Triplex consists of three of our "Glorious" Mowers yoked together, two abreast in front, and one in the rear, the two in front being placed so as to leave between them an uncut swath just as wide as the rear one can cut, lapping two inches on each front mower, thus cutting a clean swath 86 inches wide. **Send for Folders.**

We have these machines in Chicago crated and ready for shipment

SHAWNEE MOWER

Worthington Mower Co.

Quint— with five Shawnee cutting units



The Shawnee Quintuplex cuts a swath over eleven feet wide, and can be used with horse or tractor power. Each cutting unit is followed by a light roller which does not iron out the surface or make the fairway hard. Where the cutting units are followed by heavy iron rollers, the surface is hardened and prevents the air reaching the roots of the grass, as well as the moisture, which tends to retard the growth of the turf, and the grass turns yellow.

The frame work of the Shawnee being constructed of steel and malleable iron there is no distorting of the frame and the whole machine combines simplicity and strength. It will alone do all the cutting in keeping both the fairways and rough in perfect condition.

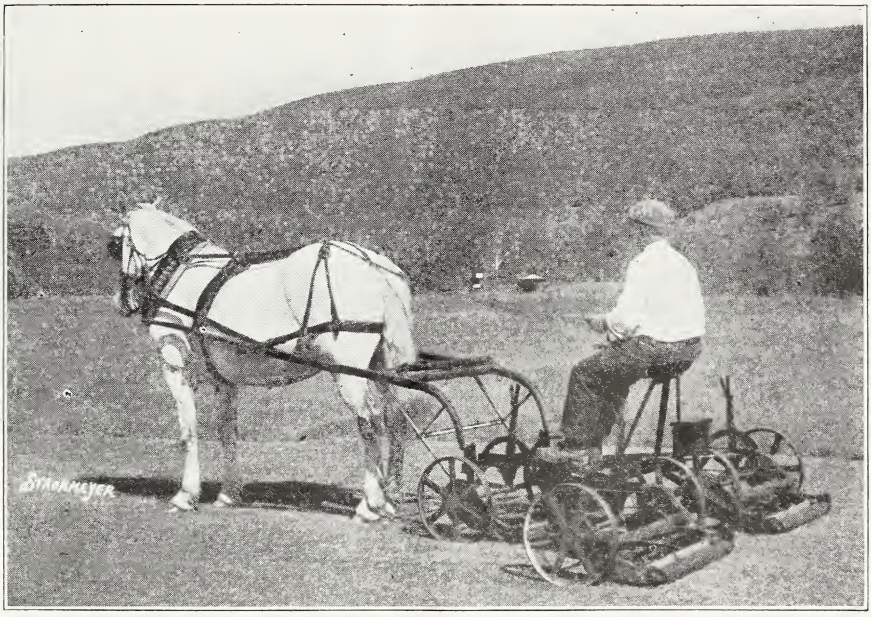
We have a great many inquiries for cutting units to be used in connection with a small tractor for mowing golf courses, lawns and private estates. To meet this demand we have arranged these cutting units to be fitted with a hitch so they can be attached to a tractor.

The Worthington Tractor was made independent of the cutting unit so that it could be used when attached to a trailer for general hauling purposes in place of the ordinary one horse cart and in short do away with the horse on all the operations of golf course upkeep.

The question has been raised as to whether or not tractor wheels when preceding the cutters, press down the grass enough to prevent its being properly cut. A heavy machine will do this but with the Worthington Tractor being so light and its weight so distributed over its four broad tires, this rolling effect is not noticeable.

Steering with the rear wheels enables the operator to cut close up to the curved edges of traps and bunkers without danger of overturning the tractor. If the machine be steered by the front ones a wide margin must be left uncut, to avoid risk of hitting the bunkers or slipping over the edge of the pits.

SHAWNEE TRIPLEX

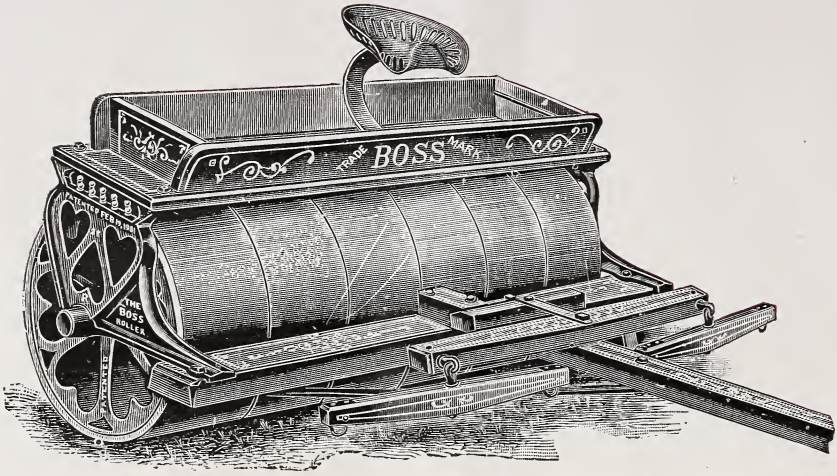


The Shawnee Mower is the first of its kind—the pioneer gang mower of the world.

It combines the work of three mowers in one. In its complete form it has a cutting width of over seven feet; as a "sulky," a cutting width of only thirty inches, and with cutters raised and under pressure of the "spring" it supersedes the ordinary hay cutting machine on the "rough."

This triple combination, possessed by the Shawnee Triple alone, is a striking and entirely novel development in lawn mower construction.

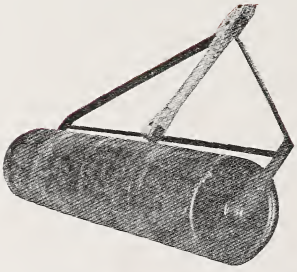
THE "BOSS" LAWN ROLLER



THE "BOSS" HEART DESIGN TWO-HORSE LAWN ROLLER

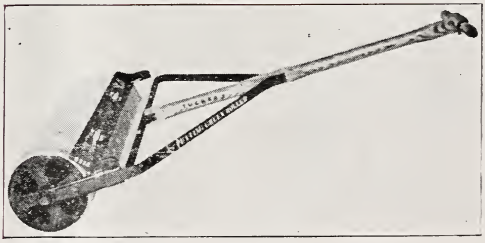
No.	Diameter Inches	Length Feet	No. Sections	Face Inches	Weight Lbs.	Price at Chicago
70	20	5	5	12	1150	$140.00
71	20	6	6	12	1300	165.00
72	24	5	5	12	1450	185.00
73	24	6	6	12	1700	210.00
74	28	4	4	12	1350	190.00
75	28	5	5	12	1650	210.00
76	28	6	6	12	1950	220.00
77	32	4	4	12	2200	255.00
78	32	5	5	12	2600	290.00
79	32	6	6	12	3000	325.00

Iron Putting Green Roller



Weight, 150 lbs., size 4 ft. (4 sections). This roller is equipped with scraper attachment to keep it clean. Price, **$38** at Chicago

Wooden Putting Roller



Is also made in four sections; each section is bound with iron to avoid splitting. Size, 4 ft.; weight, 150 lbs.

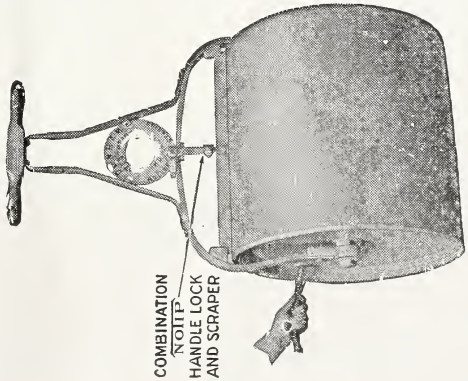
These rollers produce a clean, smooth surface and do not injure the turf. Price, **$32.50** Chicago.

HAND ROLLERS

Faces turned perfectly smooth. Rounded edges. Superior to **any** other roller.

No.	Diameter Inches	Length Inches	No. Sections	Face Inches	Weight Lbs.	Price at Chicago
1	15	15	2	7½	150	$18.50
2	15	22	3	7½	200	26.00
3	20	16	2	8	225	27.50
4	20	20	2	10	250	31.00
5	20	20	1	20	250	31.00
6	20	24	3	8	300	37.00
7	20	24	2	12	300	37.00
8	20	30	3	10	350	43.00
9	24	20	2	10	400	50.00
10	24	24	2	12	450	55.00
11	24	24	3	8	450	55.00
12	24	30	3	10	500	62.00
13	28	24	2	12	500	62.00
14	28	24	3	8	500	62.00
15	28	30	3	10	600	74.00
16	28	32	4	8	650	82.00

Hand Water Ballast Rollers

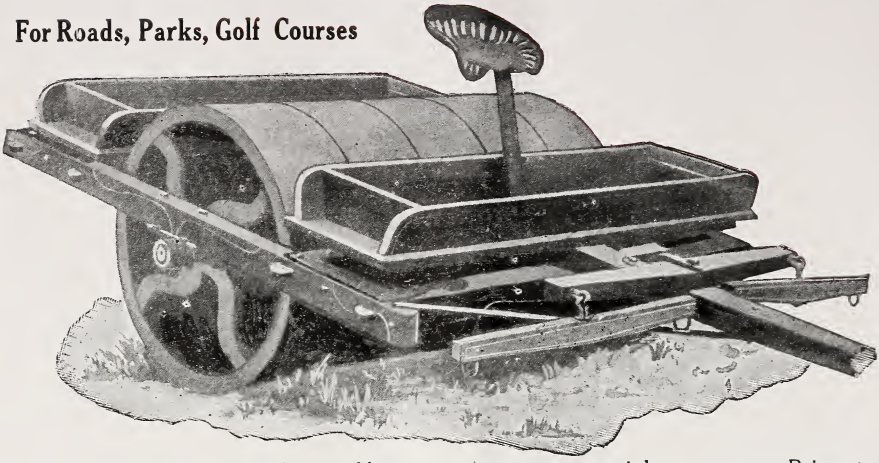


STYLE "WB" WITH "NO-TIP" LOCK AND SCRAPER

No.	Diameter Inches	Length Inches	Sections	Weight Empty, Lbs.	Filled with Water Lbs.	Price Each, Chicago
WB5	18	24	1	85	300	$24.50
WB7	24	24	1	110	500	27.50

TWO HORSE IRON ROLLER

For Roads, Parks, Golf Courses



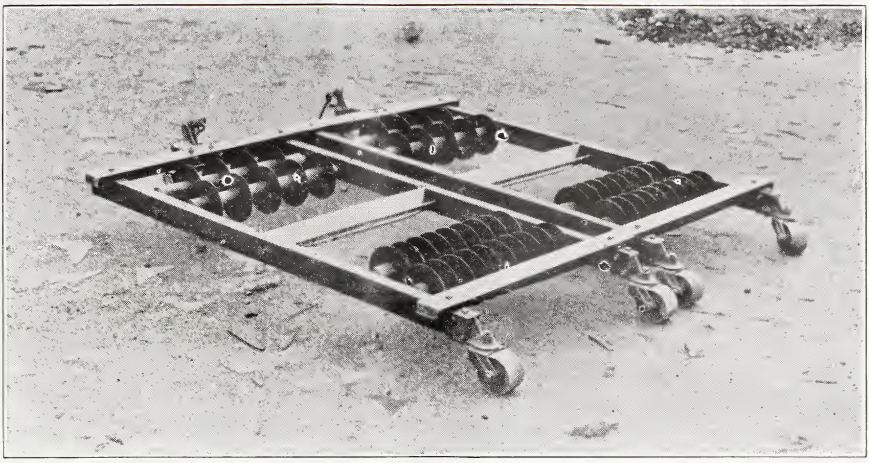
No.	Diameter Inches	Length Feet	No. Sections	Face Inches	Weight Lbs.	Price at Chicago
80	36	4	4	12	3000	$295.00
81	36	5	5	12	3500	350.00
82	36	6	6	12	4000	395.00
83	48	3¾	3	15	4000	420.00
84	48	5	4	15	5000	485.00
85	48	6¼	5	15	6000	585.00
86	54	3¾	3	15	6000	620.00
87	54	5	4	15	8000	787.00
88	54	6¼	5	15	10000	885.00

Whiffletrees and Neck Yoke $8.00 extra. Scraper $10.00 extra.

ONE HORSE LIGHT ROLLERS

No.	Diameter Inches	Length Inches	No. Sections	Face Inches	Weight Lbs.	Price at Chicago
40	24	30	3	10	650	$105.00
41	24	40	4	10	800	115.00
42	24	50	5	10	950	135.00
43	28	30	3	10	800	130.00
44	28	40	4	10	1000	150.00
45	28	50	5	10	1200	185.00

MEEKER DISCING MACHINE



For treating the turf, leveling and cutting up the lumps, leaving the surface smooth and the soil even and fine, so that the seed will come in contact with the fine soil.

The machine complete has three sections, with or without wheels, but the sections can be used as a single unit. The third section is a trailer, which cuts and laps over the ground left by the two sections in front, the rear wheels should be taken off in using.

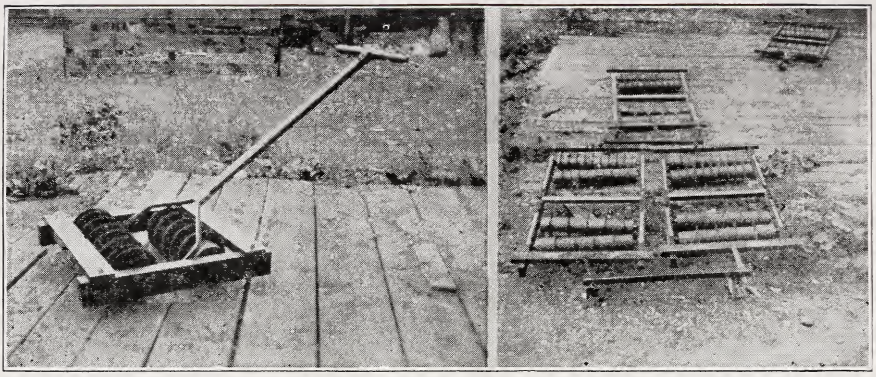
Each section frame measures 6 ft. 8 in. long and 6 ft. wide, and each section has four sets of rollers, with 58 steel cutting wheels 8 inches in diameter, set on a slight angle. These wheels are sharp and separate the roots of the grass which thickens the turf as the new blades come up where the roots are cut. The cutting wheels loosen and open up the soil, giving air and moisture to the roots of the grass. Where the soil is hard the machine is capable of being burdened up to 800 pounds.

Prices

1 Section, without wheels	$ 50.00
2 Sections, with wheels	140.00
2 Sections, without wheels	90.00
3 Sections, without wheels	135.00
3 Sections, with wheels	185.00

The machine is shipped without wheels unless ordered with wheels.

Meeker's Putting Green Discing Machine



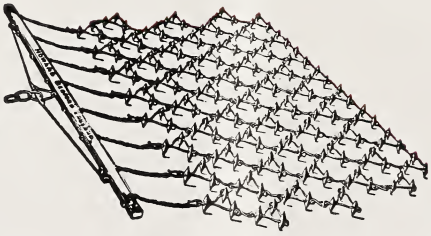
The small machine is designed for the greens, especially for eliminating crab grass and weeds, aereating the soil and thickening the turf. Its use also enables the moisture and fertilizer to reach the roots of the grass. Stimulates the growth of the turf. The machine is strong and will carry a burden sufficient to cut the hardest surface. Easily worked.

Price, Chicago $55.00

The above cut also shows the three section Meeker discing machine.

When it is necessary to burden the machine to cut through the turf take the handle off and put in the front holes, then by adding two strips the surface can be raised to permit burdening the machine without touching the cutting blades.

English Chain Harrow



Especially made for loosening and breaking up the soil, preparing it for seeding, especially on new soil or where the surface is bare or has become too solid or ironed too close to admit air and moisture. Drag, 9 feet, 11 inches; about the same in width.

Price, Chicago $80.00

We Make a Specialty of the Best Quality of Heavy, Non-Kinkable

RUBBER HOSE

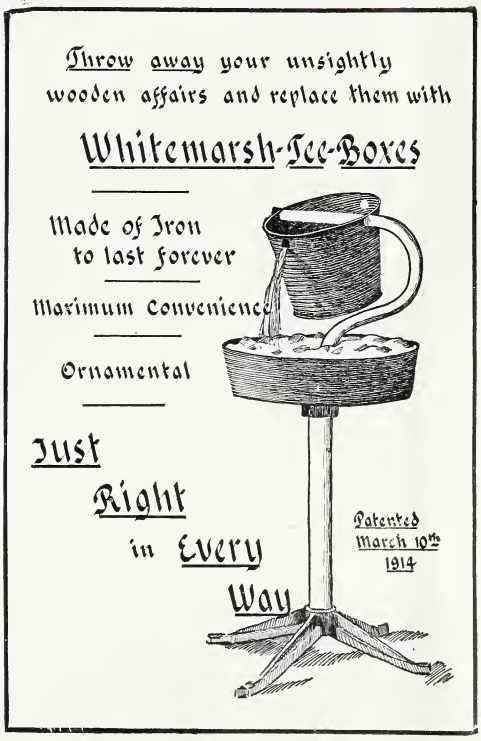
For Golf Courses, Lawns and Private Estates

Our Rubber Hose is made extra heavy and will stand the wear necessary for field work. The hose is molded and not wrapped, and made of sufficient thickness so that it will not kink, and shut off the water.

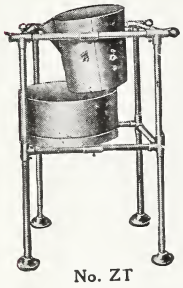
The tube is of the molded type, has no seams, and will not open up or split as it is a uniform production. The tube which carries the water is braided over with twisted cotton yarn between which is a coating of strong rubber and then covered and vulcanized so as to make a strong durable hose.

We can furnish this hose in continuous lengths of 500 feet or less as desired, and also attach heavy brass couplings as required. Give the length you need and couplings required and we can ship promptly. We also carry hose reels of the heaviest and most serviceable patterns.

TEE BOXES



Z Tee Box



No. ZT

Iron piping with galvanized water and sand box.

$20.00 each
9 boxes, $165.00
18 boxes, $320.00
Delivered Chicago

$16.50 each—9 Boxes, $145.00; 18 Boxes, $280.00; Delivered Chicago

Our White Pine Wooden Tee Box made of seasoned white pine, 3 coats of paint inside and outside; galvanized water box. Strong and durable.

$14.50 each—9 Boxes, $128.50; 18 Boxes, $255.00; Delivered Chicago

This is the best wooden box that can be made

THE SHAWNEE TEE STAND

Embrace every advantage of other stands. They are light, but stand firm. Strong and durable. They are fitted with a Shawnee Golf Ball Washer.

Price, complete with Ball Cleaner, delivered at Chicago, $13.50 each. In lots of 10, $125.00; lots of 20, $240.00.

Hole Cutters and Hole Rims

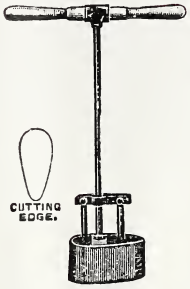
This rim is made tapering, so that the rod or pole goes down into the socket.

Price $1.50

Hole Cutters

$12.50

Turf Divots

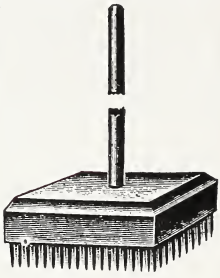


$8.50

Iron Putting Green Staffs

$1.35

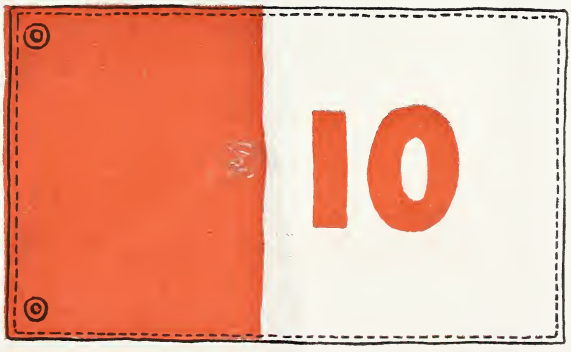
Turf Perforator for Aerating the Soil



$10.50

Putting Green, Club and National Flags

We make a specialty of Flags and Flag Poles for Golf courses. We submit samples and designs in colors with monograms or club initials, if desired. Our putting green flags are made of heavy galatea, about twelve inches wide by eighteen inches long, with letters or design sewed on both sides. They can be washed without damage and colors come out bright and fresh. The poles are of bamboo.



Size 11x18 inches. Numbered 1 to 9 or 1 to 18, both sides.

Red and White without numbers	each	$1.25
Red and White with numbers, both sides	each	1.40
Red or White, one color	each	1.20
Red or White with numbers, both sides	each	1.35

Flag Poles and Bamboo Poles for Whipping Worm Cast

8 to 10 feet in length, with ferrules	each	$1.25
8 to 10 feet without ferrules	each	.90

Horse Lawn Boots, Leather

For use on Fairways, Lawns and Courts—Leather Boot with Straps

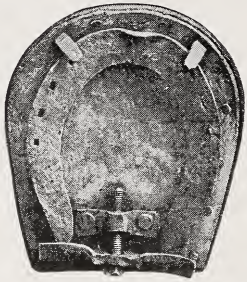
The sole is hardened, filled with steeel rivets and made waterproof. The **construction is entirely with rivets**—no stitching whatever.

It is fastened to the horse's **foot,** not to the **ankle,** giving free action and no chafing.

Regular Sizes, Price, per Set of Four.....$18.50

How to Order by Size

	Inside		Inside
Our No. 2.....5½	Inches	Our No. 0.....4	Inches
Our No. 4.....6½	inches	Our No. 1.....4½	Inches
Our No. 6.....7	Inches		



Prices for Special Sizes Furnished on Application

Horse Lawn Boots, Steel

They are made of a steel plate turned up at the toe to protect the turf, with two securely riveted prongs that fit the horseshoe in front, and a clamp of Norway Iron that sets up to the heel in the most firm and substantial manner. If taps are ordered, they are put on with rivets.

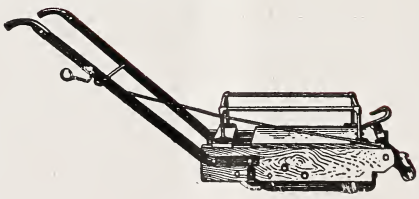
The horse should be shod flat, with the heel made just long enough to take the adjustable clamp, as shown in cut on front.

In ordering, please send size of horseshoe from heel to toe, or a tracing of the shoe, to insure a good fit.

The Shoes that are well made; that protect the turf; that will not gall or injure the horse's foot; that are easily and quickly adjusted and durable.

Champion Sod Cutter

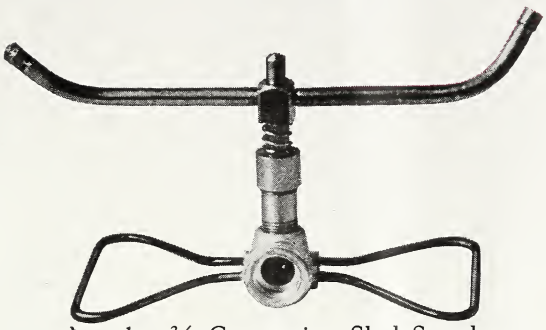
Horse Drawn



Price at Chicago $65.00
Extra Knives ..... 9.50 ea.

SPRINKLERS

Buckner No. 1
Will not wear out



No. 1—¾ Connection Sled Stand

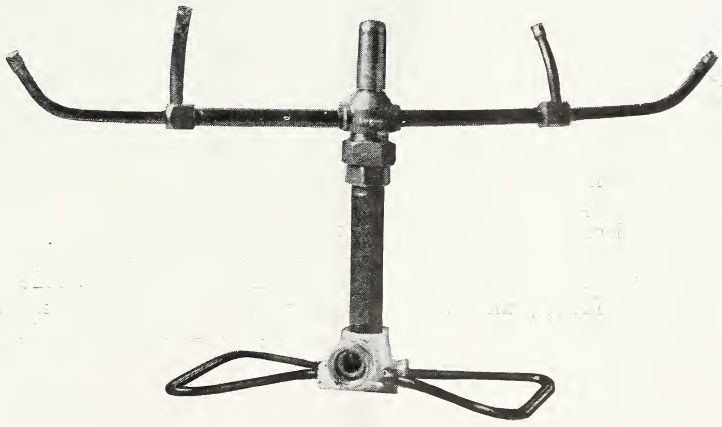
Buckner No. 2

This sprinkler is much like the No. 1 but has two additional nozzles and longer arms. Can make any height with riser pipe; will cover a radius of 45 to 60 feet.

$7.50 each, 5 or more, $7.25 each

Will distribute water evenly over 35 to 50 feet radius with 35 lb. pressure; wrought iron stands. We can also furnish extension riser pipe.

$5.00 each, 5 or more, $4.75



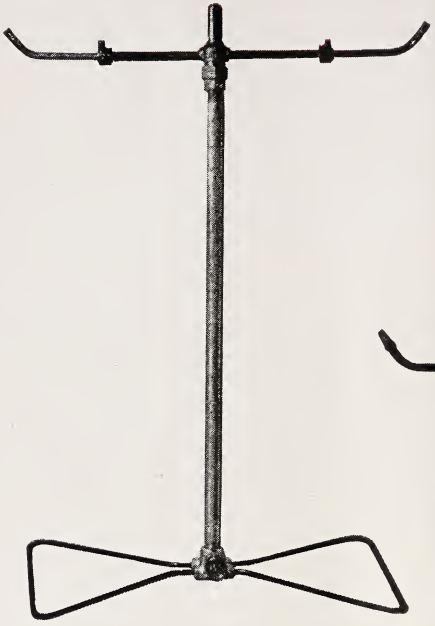
No. 4—Can be used with roller stand or Sleds with ¾ or 1 in. connection by using ¾ bushing; any length of riser can be used.

Prices on sled stands, $8.50 each, 5 or more, $8.25 each

Prices on roller stands, $11.00 each, 5 or more, $10.75 each

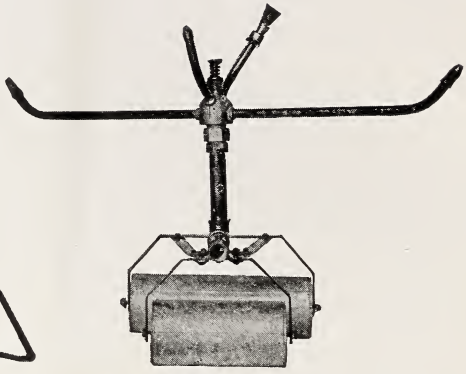
The best sprinkler for the money in the world. Works any position. One-inch intake and hose connection. BUCKNER NOZZLE. Gives a perfect distribution over a radius of 70 to 110 feet, according to pressure. Very sensitive as to adjustment; can be set to barely creep around on any pressure. This sprinkler can be used with ¾ connection.

Buckner Putting Green Sprinkler



This sprinkler is much lighter in weight than the ordinary Putting Green Sprinkler. They have four openings and distribute more water and cover a larger area than any other sprinkler made for this purpose. They also have wrought iron stands which do not break and we have the riser pipes of any length to conform to the water pressure made for ¾ and 1 in. hose connection.

No 3



No. 3 has four openings—used largely for golf courses having 35 lb. or better pressure. Distributes 30 gallons of water per minute on this pressure.

Prices on sled stands, $8.50 each; 5 or more, $8.25 each. Prices on roller stands, $11.00 each; 5 or more, $10.75 each.

PRICES:

3 foot, $7.75 3½ foot, 8.00 4 foot, 8.25
4½ foot, 8.50 5 foot, 8.75

For ¾ connection we are making the riser pipes ½ inch so as to increase the area covered by the water. For 1 inch connection we use ¾ in. riser pipe.

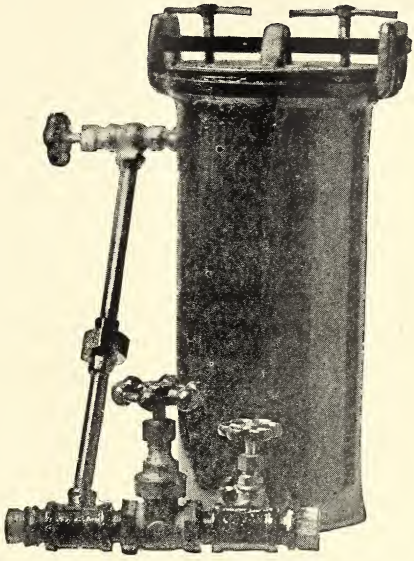
A large variety of small size Lawn and Garden Sprinklers ready for shipment.

For one inch hose connection on any of these sprinklers add $7.00

THE BUCKNER AUTOMATIC DISTRIBUTOR

The Greatest Invention of the Age for keeping the Greens and Fairways in Condition

For the distribution of fertilizer in liquid form by water pressure through any length of hose directly on the greens and fairways. This method gives exactly the amount required and evenly distributes the material, with no additional expense over the cost of sprinkling except the fertilizer required.



By attaching the hose, the fertilizer is distributed in a fine spray that reaches the roots of the grass. This can be done as often as required, as we prepare a line of different fertilizers which we put up in dry form in cartons that exactly fill the perforated container in the machine, and the force of the water passing through the material distributes the fertilizer in liquid form as required. The machine can be recharged as often as required without turning off the sprinkler connection.

The sprinklers also can be used without detaching the machine by simply closing the inlet and outlet valves.

The machine is made for ¾-inch and 1-inch hose connections. In ordering, state size of hose and amount of water pressure. Send for our folder giving full particulars.

Price of machine, including connecting parts, $70.00, at Chicago.

Berry Seed Company

FERTILIZED

HUMUS

A plant food for producing and preserving a bed of thick permanent Turf, on Golf Courses and Lawns.

Shipped in car loads or less in bulk or sacks and delivered prices made.

20 West Jackson Blvd.
CHICAGO